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STATEMENT

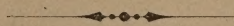
OF THE

Operations of the Land Department

OF

MARQUETTE, HOUGHTON, AND ONTONAGON R.R. CO.,

FOR THE YEAR 1880.



BOSTON:

PRESS OF ROCKWELL AND CHURCHILL,

No. 39 ARCH STREET.

1881.

STATEMENT

OF THE

OPERATIONS OF THE LAND DEPARTMENT OF MARQUETTE, HOUGHTON, & ONTONAGON R.R. CO.,

FOR THE YEAR 1880.

SALES OF TIMBER, WOOD, AND FARM LANDS, IN DETAIL.

Saginaw Mining Co., for cord-wood and farm.

W. $\frac{1}{2}$ Sec. 25, T. 47 N.R. 28 W.
320 acres, \$3.50 \$1,120 00
March 24, 1880.—Minerals and right of way reserved.

Mitchell Mining Co., for cord-wood and farm.

S. $\frac{1}{2}$ of S.E. $\frac{1}{4}$ Sec. 25, T. 47 N.R. 28 W.
80 acres, \$3.50 280 00
March 24, 1880.—Minerals and right of way reserved.

National Iron Mine, for cord-wood and farm.

N. $\frac{1}{2}$ of S.E. $\frac{1}{4}$ Sec. 25, T. 47 N.R. 28 W.
N.E. $\frac{1}{4}$ " " "
240 acres, \$3.50 840 00
March 24, 1880.—Minerals and right of way reserved.

Iron Cliffs Co., for cord-wood and farm.

E. $\frac{1}{2}$ of N.E. $\frac{1}{4}$ Sec. 19, T. 48 N.R. 31 W.
N.W. $\frac{1}{4}$ of N.E. $\frac{1}{4}$ " " "
E. $\frac{1}{2}$ " 3, " "
Entire " 13, " "

Sells 89c 42 March 24, 1880

W. $\frac{1}{2}$ of S.W. $\frac{1}{4}$ Sec. 15, T. 49 N.R. 32 W.

S.E. $\frac{1}{4}$ of S.W. $\frac{1}{4}$ " " "

N.E. $\frac{1}{4}$ " 17, " "

N. $\frac{1}{2}$ of N.W. $\frac{1}{4}$ " " "

S.E. $\frac{1}{4}$ of S.E. $\frac{1}{4}$ " " "

Entire " 21, " "

N. $\frac{1}{2}$ of N.W. $\frac{1}{4}$ " 27, " "

2,194.35 acres, \$6 \$13,166 10

April 26, 1880.—Minerals and right of way reserved.

Joseph Mitchell, Republic, Mich., for farm and hay-field.

S.W. $\frac{1}{4}$ of N.W. $\frac{1}{4}$ Sec. 5, T. 38 N.R. 28 W.

40 acres, \$5 200 00

Sept. 9, 1880.—Minerals and right of way reserved.

A. C. Merryman, Mariette, Wis., for pine timber.

N.W. $\frac{1}{4}$ of N.E. $\frac{1}{4}$ Sec. 4, T. 38 N.R. 28 W.

N.E. $\frac{1}{4}$ " N.W. $\frac{1}{4}$ " " "

85.72 acres 900 00

Sept. 24, 1880.—Minerals and right of way reserved.

H. Witbeck Co., Chicago, Ill., for pine timber.

S.E. $\frac{1}{4}$ of S.W. $\frac{1}{4}$ Sec. 28, T. 40 N.R. 29 W.

Lots 1, 2, 3, 4, 5, 6, " 17, " 44 " 30

S. $\frac{1}{2}$ of S.E. $\frac{1}{4}$ " 19, " " " "

Lots 2, 3, 7, 8, 9, " " " " " "

N.W. $\frac{1}{4}$ of S.W. $\frac{1}{4}$ " 21, " " " "

Lots 1, 2, 4, 5, 6, 7, 8 " " " " " "

S.W. $\frac{1}{4}$ of N.W. $\frac{1}{4}$ " 3, " 43 " 31

N.W. $\frac{1}{4}$ " S.W. $\frac{1}{4}$ " " " " " "

W. frac. $\frac{1}{2}$ N.W. $\frac{1}{4}$ " 4, " " " "

N. $\frac{1}{2}$ of N.W. $\frac{1}{4}$ " 15, " 44 " "

S.W. $\frac{1}{4}$ of N.W. $\frac{1}{4}$ " " " " " "

S.E. $\frac{1}{4}$ of S.W. $\frac{1}{4}$ " " " " " "

S. $\frac{1}{2}$ of N.W. $\frac{1}{4}$ " 27, " " " "

1,268.01 acres 10,000 00

Sept. 24, 1880.—Minerals and right of way reserved.

Sturgeon River Lumber Co., Hancock, Mich., for pine timber.

Entire,	Sec. 3, T. 49, W.R. 35 W.	
S $\frac{1}{2}$ of S.W. $\frac{1}{4}$	" 5, "	" "
S.E. $\frac{1}{4}$	" " "	" "
868.62 acres, \$17	.	\$14,766 54
Sept. 29, 1880. — Minerals and right of way reserved.		

Matthew Gibson, Republic, Mich., for cord-wood and farm.

Lot 1.	Sec. 19, T. 46, N.R. 29 W.	
N.W. $\frac{1}{4}$ of N.E. $\frac{1}{4}$	" " " "	
N.E. $\frac{1}{4}$ " N.W. $\frac{1}{4}$	" " " "	
W. $\frac{1}{2}$ " N.W. $\frac{1}{4}$	" " " "	
W. $\frac{1}{2}$ " S.W. $\frac{1}{4}$	" " " "	
249.69 acres	.	450 00
Oct. 8, 1880. — Minerals and right of way reserved.		

Irenus K. Hamilton, Chicago, Ill., for pine timber.

S.E. $\frac{1}{4}$ of S.E. $\frac{1}{4}$	Sec. 5, T. 45, N.R. 32, W.	
S.E. $\frac{1}{4}$ " S.W. $\frac{1}{4}$	" " " "	
W. $\frac{1}{2}$ " S.W. $\frac{1}{4}$	" " " "	
N.W. $\frac{1}{4}$ " S.E. $\frac{1}{4}$	" " " "	
S.W. $\frac{1}{4}$ " N.E. $\frac{1}{4}$	" " " "	
N.W. $\frac{1}{4}$ " N.E. $\frac{1}{4}$	" " " "	
W. $\frac{1}{2}$	9,	" "
W. $\frac{1}{2}$ " E. $\frac{1}{2}$	" "	" "
W. $\frac{1}{2}$ " S.W. $\frac{1}{4}$	17,	" "
N.E. $\frac{1}{4}$ " S.W. $\frac{1}{4}$	" "	" "
E. $\frac{1}{2}$ " N.E. $\frac{1}{4}$	" "	" "
E. $\frac{1}{2}$ " N.W. $\frac{1}{4}$	" "	" "
S. $\frac{1}{2}$ " N.E. $\frac{1}{4}$	19,	" "
W. $\frac{1}{2}$ " S.W. $\frac{1}{4}$	" "	" "
W. $\frac{1}{2}$ " N.W. $\frac{1}{4}$	21,	" "
S.W. $\frac{1}{4}$ " S.E. $\frac{1}{4}$	" "	" "
S.W. $\frac{1}{4}$	23,	" "
S. $\frac{1}{2}$ " N.W. $\frac{1}{4}$	" "	" "
E. $\frac{1}{2}$ " S.E. $\frac{1}{4}$	" "	" "
N.E. $\frac{1}{4}$	25,	" "

E. $\frac{1}{2}$ of N.W. $\frac{1}{4}$	Sec. 25, T. 45, N.R. 32 W.	
S.W. $\frac{1}{4}$	" " " "	
E. $\frac{1}{2}$ " S.E. $\frac{1}{4}$	" " " "	
S.W. $\frac{1}{4}$ " N.W. $\frac{1}{4}$	" 27 " "	
N. $\frac{1}{2}$	" 29 " "	
N. $\frac{1}{2}$ " S. $\frac{1}{2}$	" " " "	
S.W. $\frac{1}{4}$ " S.W. $\frac{1}{4}$	" " " "	
E. $\frac{1}{2}$ " N.E. $\frac{1}{4}$	" 31 " "	
N.E. $\frac{1}{4}$ " S.E. $\frac{1}{4}$	" " " "	
N.E. $\frac{1}{4}$ " N.W. $\frac{1}{4}$	" 35 " "	
S.W. $\frac{1}{4}$ " N.E. $\frac{1}{4}$	" " " "	
S.W. $\frac{1}{4}$ " S.W. $\frac{1}{4}$	" " " "	
2902.92 acres		\$24,500 00
Oct. 26, 1880. — Minerals and right of way reserved.		

Hebard & Thurber Lumber Co., L'Anse, Mich., for pine timber.

E. $\frac{1}{2}$ Sec. 25, T. 50, N.R. 35 W.	
320 acres, \$20	\$6,400 00
Nov. 3, 1880. — Minerals and right of way reserved.	

Leon & Joseph Papin, Clarksburgh, Mich., for cord-wood and farm.

S. $\frac{1}{2}$ of N.E. $\frac{1}{4}$ Sec. 23, T. 58 N.R. 28 W.	
80 acres, \$7.50	\$600 00
Nov. 26, 1880. — Minerals and right of way reserved.	

Addie Le Bin, Clarksburgh, Mich.

W. $\frac{1}{2}$ of S.W. $\frac{1}{4}$ Sec. 13, 48, 28.	
80 acres, \$6.50	\$520 00
Nov. 1, 1880. — Bought for cord-wood and farm purposes. Minerals and right of way reserved.	

SALES OF MINERAL LANDS IN DETAIL.

Morse & Pickands, Marquette, Mich., for iron ore.

S.E. $\frac{1}{4}$ of S.W. $\frac{1}{4}$ Sec. 32, T. 48 N.R. 28 W.	
Lot 2, " " "	
76.55 acres	\$3,000 00

This property is known as the Boston Mine; is capitalized at \$500,000; 20,000 shares at \$25.00 each. First shipment of ore from this mine was made August 25, 1880. Total shipments in 1880, 6,478 gross tons. Estimated product for 1881, 25,000 gross tons (taken by holders under an appraisement clause).

<i>Recapitulation.</i>				<i>Acres.</i>
Total sales in 1880 for —				
Hard wood and farming lands.	.	.	.	\$3,284.04
Total sales for pine lands	.	.	.	5,445.27
Total sales for iron ore lands	.	.	.	76.55
Total sales of all lands, 1880				<hr/> 8,805.86

Amount received for —				
Hard wood and farming lands	.	.	.	\$17,176 10
Amount received for iron lands	.	.	.	3,000 00
Amount received for pine lands	.	.	.	56,566 54
				<hr/> \$76,742 64

Average per acre, hard wood and farm lands	.	.	\$5 23+
“ “ pine lands	.	.	10 38+
“ “ iron lands	.	.	39 19+

				<i>Acres.</i>
Land on hand January 1, 1880	.	.	.	422,148.63
Sales in 1880	.	.	.	8,805.86
Acres on hand January 1, 1881				<hr/> 413,342.77

Amounts as below have been received from miscellaneous sources during the year 1880: —

For Pine Timber.

F. Carney & Co.	\$200 00
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For Fallen Wood.

Frank Conett	\$43 50	
Shumway, Wicker & Co.	20 50	
Columbia Iron Co.	18 50	
Samuel Peck, agent	.	.	.	.	5 88	
					<hr/>	88 38

For Grass.

John Moore	\$3 00	
Gill & Parent	20 00	
M. Desjardins	20 00	
M. Thibet	6 00	
Alexander Shields	10 00	
	<hr/>	\$59 00

Rent of Charcoal Kilns.

Leon & J. Papin	95 11
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Trespass.

M. Gibson	\$10 00	
F. Carney & Co.	150 00	
Freeman Bros.	10 00	
J. B. Boulanger	20 80	
	<hr/>	190 80

Royalty

Morse & Pickands, for royalty on 1,110. $\frac{6}{10}$ gross tons iron ore taken from Sec. 9, 49.33, "Taylor Mine," @ 50c.	555 14
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Green Wood.

Antoine Dishno, for wood cut from N. $\frac{1}{2}$ of N.E. $\frac{1}{4}$, Sec. 27, 48.30	200 00
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This amount paid to S. Schoch, G.M., to apply on earnings of railroad, as being proceeds of lands bought in at sheriff's sale to cover claim for transportation against Morgan Iron Co.

Amounts received on account of sales previous to January 1, 1880: —

F. Branstad	\$225 69	
Even Stensrud	183 52	
E. E. Ayers	640 00	
George McDonald	940 00	
P. Thebar, forfeiture	125 00	
	<hr/>	2,114 21

There has been collected and deposited in the State Treasury, during the year 1880, the sum of twenty-eight hundred and one dollars, as below mentioned, for trespass on the lands held in trust by the State and reserved by this company, which sum, less the expenses of collection, will be subject to be drawn from the Treasury under the provisions of Act 127, laws of 1875, wherever the title to said lands becomes vested in the company:—

From <i>Hibard & Thurber Lumber Co.</i> , on account of	
Louis La Chappelle	\$2,151 00
From <i>M. M. Moralee</i> , on account of Vaudrin & Ricord	650 00
	<hr/>
	\$2,801 00
Less expenses of collection	311 89
	<hr/>
	\$2,489 11

Information has been filed with, and proceedings have been commenced by, the United States and State authorities in the following cases, for trespass upon the reserved lands:—

By the State authorities against Edward St. Arneaud, L'Anse, Mich.

Sec. 7, T. 50 N.R. $\frac{3}{4}$ W. and Sec. 1 T. 50 N.R. 35 W. — 16,532 feet; actual value, \$2 per M. \$33 06

Louis La Chapelle & James Bendry, L'Anse, Mich. — Cut and removed in winter of 1878–9.

Sec. 31, T. 51 N.R. 34 W. Sec. 25 and 35 T. 51 N.R. 35 W. — 223,220 feet; actual value, \$2 per M. \$446 44

Kelsey & McCauley, Baraga, Mich., and Penberthy & Brennan, L'Anse, Mich. — Cut and removed in winter 1875–6.

Secs. 21 and 27, T. 51 N.R. 34 W. — 241,714 feet; actual value, \$2 per M. \$483 43

Penberthy & Brennan, L'Anse, Mich. — Cut and removed in fall 1878.

Secs. 21 and 27, T. 51 N.R. 34 W. — 22,851 feet; actual value, \$2 per M. \$45 70

By the United States authorities against Wm. Vaudrin & N. Ricord, L'Anse, Mich.

Secs. 9 and 17, T. 53 N.R. 34 W., within the 20 miles' limit, 293,-316 feet; and Secs. 29, T. 53 N.R. 34 W. Sec. 25 T. 52 N.R. 35 W., and Sec. 31 T. 52 N.R. 34 W., within the 15 miles' limit, 335,880 feet, making a total of 629,196 feet; actual value, \$2 per M. \$1,258 39

J. B. Smith, J. B. Boulanger, and P. Sands.

Secs. 19 and 29, T. 52 N.R. 34 W., within the 15 miles' limit, 52,665 feet; actual value, \$2 per M. \$105 33

Wm. Vaudrin & N. Ricord, L'Anse, Mich., cut and removed in 1877-8 or 1878-9.

Secs. 5 and 7, T. 52 N.R. 34 W. — Within the 15 miles' limit, 310,337 feet; actual value, \$2 per M. \$670 71

J. B. Smith, Eugene Parault & Mallette, cutting done and logs removed in winter 1878-9.

Sec. 29, T. 51 N.R. 34 W. — Within the 15 miles' limit, 310,-337 feet; actual value, \$2 per M. \$620 67

Statement showing the issue of options and leases upon the Company's mineral lands during the year 1880, and up to March 15, 1881.

John A. Kruse and C. L. Wendel.

S.E. $\frac{1}{4}$ of S.W. $\frac{1}{4}$. Sec. 33, T. 40 N.R. 29 W. — 40 acres. Terms, 60 cents per ton on minimum of 5,000 tons per year, — lease to run 20 years. This piece is in the Menominee district, one-half mile from the noted Norway mine (which produced, last year, upwards of 190,000 tons of ore) and is believed to be valuable mineral land.

G. J. Northrop, Marquette, Mich.

S.E. $\frac{1}{4}$ of S.W. $\frac{1}{4}$ and S.W. $\frac{1}{4}$ of S.E. $\frac{1}{4}$. Sec. 1, T. 46 N. R. 30 W. — 80 acres. Terms, 50 cents per ton on minimum of 10,000 tons per year. Lease to run 20 years.

G. J. Northrop, Marquette, Mich.

S.E. $\frac{1}{2}$ of S.W. $\frac{1}{4}$. Sec. 1, T. 46 N.R. 30 W.—80 acres. Terms, 50 cents on minimum of 10,000 tons per year,—lease to run 20 years.

Mixed ore has been found on both the last-mentioned properties, and they are thought to carry the extension of the Republic vein. The Republic mine shipped last year upwards of 234,000 tons of ore.

Alfred Kidder, Marquette, Mich.

S. $\frac{1}{2}$ of N.W. $\frac{1}{4}$ and N. $\frac{1}{2}$ of S.W. $\frac{1}{4}$. Sec. 29, T. 48 N.R. 29 W.—160 acres. Terms, 50 cents per ton for specular or magnetic ore, and 35 cents per ton for hard and soft hematite, on a minimum of 10,000 tons per year,—lease to run 20 years; half mineral rights.

Ore has been found in quality and quantity on this property to warrant the development of it. A company has been organized—capital stock, \$500,000. Transfer of this option has been made to said company—the Dalliba Iron Mining Co. A branch railroad track is being constructed to the property to furnish shipping facilities.

Amount of ore in stock ready for shipment, 100 gross tons; estimated product for 1881, 20,000 gross tons.

This season will, no doubt, place this property in rank with our producing and paying mines.

N. Lonstorf, Negaunee, Mich.

S. $\frac{1}{2}$ of N. $\frac{1}{2}$. S.E. $\frac{1}{4}$ of S.E. $\frac{1}{4}$ and N.W. $\frac{1}{4}$ of S. E. $\frac{1}{4}$ and S.W. $\frac{1}{4}$. Sec. 25, T. 48 N. R. 29 W.—400 acres. Terms, 60 cents on hard ore and 50 cents on soft ore per ton on minimum of 10,000 tons per year. This property is well situated in the hematite district of Negaunee, although nothing more than “indications” has as yet been found.

George Berringer, Negaunee, Mich.

S. $\frac{1}{2}$ of S. W. $\frac{1}{4}$, Sec. 7, T. 46 N.R. 30 W.—80 acres. Terms, 50 and 35 cents per ton for hard and soft ore, respectively, on a minimum of 5,000 tons per year,—lease to run 15 years. Ore

exists on this property, and active work is now going on to demonstrate the value. This parcel is believed to be valuable.

Alfred Kidder, Marquette, Mich.

N.E. $\frac{1}{4}$ of S.E. $\frac{1}{4}$ and S.W. $\frac{1}{4}$ of S.E. $\frac{1}{4}$, Sec. 29, T. 48 N.R. 29 W. — 80 acres. Terms, 50 cents per ton for specular and magnetic ore, and 35 cents per ton for hard and soft hematite ore on a minimum of 10,000 tons per year, $\frac{1}{2}$ minerals, — lease to run 20 years. Exploration of this tract is in progress, and as it adjoins the property upon which was found the extensive "Dalliba" vein, it is believed that it will turn out well.

James McKercher, Spurr Mt., Mich.

S.E. $\frac{1}{4}$ of N.E. $\frac{1}{4}$ and Lot 3, Sec. 17, T. 48 N. R. 31 W. — 77 $\frac{50}{100}$ acres. Terms, 50 cents per ton on a minimum of 10,000 tons per year, — lease to run 15 years. One-half interest transferred March 14, 1881, to S. M. Billings, of Marquette, Mich.

Active work is going on upon this parcel with very favorable indications, and although the parties are somewhat troubled with water, they are very hopeful of developing a mine.

C. Y. Osburn, Marquette, Mich.

N.E. $\frac{1}{4}$, Sec. 9, T. 47 N.R. 29 W. — 160 acres. Terms, 50 cents and 35 cents for hard and soft ore per ton, respectively, on a minimum of 10,000 tons per year, — lease to run 20 years. Only preliminary examination of this property previous to work has as yet been made.

It is believed to be valuable as carrying the extension of the new "Humboldt" find.

C. Y. Osburn, Marquette, Mich.

N.E. $\frac{1}{4}$ of N.W. $\frac{1}{4}$ and S. $\frac{1}{2}$ of N.W. $\frac{1}{4}$, T. 47 N.R. 28 W. — 120 acres. Terms, 50 and 35 cents per hard and soft ore, respectively, on a minimum of 10,000 tons per year. Lease to run 20 years. This property is in same condition, as to work and prospective value, as the parcel immediately above. Magnetic attractions are very strong. Work to commence at once.

J. M. Wilkinson, Marquette, Mich.

E. $\frac{1}{2}$ of N.E. $\frac{1}{4}$ and Lot 3, Sec. 21, T. 48 N.R. 31 W.—102 acres. Terms, 50 and 35 cents per ton for hard and soft ore, respectively, on a minimum of 10,000 tons per year,—lease to run 20 years. This property is on the Michigammic belt, and has an out-crop of ore upon the northern part, within 100 yards of the railroad track. It is very favorably located and the indications are good. Work to commence at once.

George Berringer, Negaunee, Mich.

E. $\frac{1}{2}$ of N.E. $\frac{1}{4}$, Sec. 1, T. 45 N.R. 32 W.—80 acres. Terms, 50 and 35 cents per ton for hard and soft ore, respectively, on a minimum of 5,000 tons per year,—lease to run 15 years.

Work has been in progress upon this land all winter, with the result of the finding of mixed ore, so as to warrant a continuance of exploration. The district in which this property lies is thought to contain large deposits of iron ore, although no systematic exploration has hitherto taken place.

C. Y. Osburn, Marquette, Mich.

W. $\frac{1}{2}$ of N.W. $\frac{1}{4}$, and N.E. $\frac{1}{4}$ of N.E. $\frac{1}{4}$, Sec. 7, T. 47 N.R. 29 W.—120 acres. Terms, 50 and 35 cents per ton for hard and soft ore, respectively, on a minimum of 5,000 tons per year,—lease to run 20 years. This property lies in proximity to the noted Champion Mine; but has been taken by reason of the belief that it carries the extension of the new "Humboldt" discovery. Magnetic attractions are good. Work to commence at once.

C. E. Wright and others, Marquette, Mich.

N.W. $\frac{1}{4}$, Sec. 31, T. 48 N.R. 28 W.—160 acres. Terms, 50 and 35 cents per ton for hard and soft ore, respectively, on a minimum of 10,000 tons per year,—lease to run 20 years.

The western extension of the Boston and Sterling Mines is believed to be upon this property. Explorations both east and west have been in progress all winter, and work is now to commence upon this parcel.

Alfred Kidder, Marquette, Mich.

S. $\frac{1}{2}$ of N.W. $\frac{1}{4}$, Sec. 26, T. 48 N.R. 29 W.—80 acres. Terms, 50 and 35 cents per ton for hard and soft ore, respectively, on a minimum of 10,000 tons per year,—lease to run 20 years.

This is good property, as lying in range of and between the Dalliba and Sterling Mines.

Alfred Kidder, Marquette, Mich.

S.W. $\frac{1}{4}$, Sec. 27, T. 48 N.R. 29 W.—160 acres. Terms, 50 cents per ton for specular or magnetic ore, and 35 cents for hard and soft hematite ore, on a minimum of 10,000 tons per year,—lease to run 20 years; half minerals. Remarks as to the parcel immediately preceding apply to this property.

James McKircher, Spurr Mt., Mich.

N. $\frac{1}{2}$ of S.E. $\frac{1}{4}$, Sec. 17, T. 48 N.R. 31 W.—80 acres. Terms, 50 cents per ton on a minimum of 10,000 tons per year,—lease to run 15 years. One-half interest transferred March 14, 1881, to S. M. Billings, of Marquette, Mich. This property lies in what is called the Michigamme belt. Explorations are in progress with fair prospects.

Joy C. Morse, Marquette, Mich.

N.E. $\frac{1}{4}$ of S.W. $\frac{1}{4}$, and S. $\frac{1}{2}$ of S.W. $\frac{1}{4}$, Sec. 3, T. 47 N.R. 29 W.—120 acres. Terms, 50 and 35 cents per ton for hard and soft ore, respectively, on a minimum of 10,000 tons per year,—lease to run 20 years.

There are strong probabilities that the Humboldt extension crosses this property, and it has been taken upon such belief.

Joy C. Morse, Marquette, Mich.

S.E. $\frac{1}{4}$, Sec. 3, T. 47 N.R. 29 W.—160 acres. Terms, 50 and 35 cents per ton for hard and soft ore, respectively, on a minimum of 10,000 per year,—lease to run 20 years. Very favorably located,—same remarks apply to this piece as to that immediately preceding.

Norman McLeod and V. B. Cochrane, Negaunee, Mich.

S. $\frac{1}{2}$ of S.E. $\frac{1}{4}$, Sec. 19, T. 47 N.R. 30 W.—80 acres. Terms, 50 cents per ton, on a minimum of 10,000 tons per year,—lease to run 20 years. This property contains an out-crop, 15 feet wide, of ore which assays 50 per cent. metallic iron.

It is believed that exploration will develop a valuable deposit.

Alfred Kidder and others, Marquette, Mich.

N.W. $\frac{1}{4}$ Sec. 31, T. 47, N.R. 30 W.—160 acres. Terms, 50 and 35 cents per ton for hard and soft ore, respectively, on a minimum of 10,000 tons per year,—lease to run 20 years. Ore has been found upon this parcel,—its proximity to an opening called the “Berea,” has led to its exploration.

C. E. Wright, Marquette, Mich.

Lots 1, 2, and 3, Sec. 21, T. 48, N.R. 30 W.—107 acres. Terms, 50 and 35 cents per ton for hard and soft ore, respectively, on a minimum of 5,000 tons per year,—lease to run 20 years. Mixed ore has been found on this tract, and further explorations are warranted. Some trouble from water is apprehended, but exploration will be prosecuted with vigor.

Alfred Kidder, Marquette, Mich.

N.E. $\frac{1}{4}$, Sec. 29, T. 48 N.R. 29 W.—170 acres. Terms, 50 cents per ton for specular or magnetic ore, and 35 cents per ton for hard and soft hematite ore, on a minimum of 10,000 tons per year, lease to run 20 years. One-half minerals. This land is in the Boston and Sterling ranges, and between the latter and the new Dalliba mine. It is believed to be good property.

David Morgan, Negaunee, Mich.

S. $\frac{1}{2}$ of S.E. $\frac{1}{4}$, Sec. 13, T. 46, N.R. 27 W.—80 acres. Terms, 50 and 35 cents per ton, respectively, for hard and soft ore, on a minimum of 10,000 tons per year,—lease to run 15 years. This parcel adjoins a very recent discovery, which is said to be extensive and valuable. Work is to be begun shortly.

Joseph Gannon, Negaunee, Mich.

S. $\frac{1}{2}$ of S.W. $\frac{1}{4}$, Sec. 13, T. 46, N.R. 27 W. — 80 acres. Terms, 50 and 35 cents per ton, for hard and soft ore, respectively, on a minimum of 10,000 tons per year, — lease to run 15 years. This parcel is in the same situation and condition as that immediately preceding.

James McKircher and S. M. Billings.

S. $\frac{1}{2}$ of S.W. $\frac{1}{4}$, Sec. 15, T. 48, N.R. 31 W. — 80 acres. Terms, 50 cents per ton on a minimum of 10,000 tons per year, — lease to run 15 years. Recent explorations have led to the belief that a vein of ore crosses this property, and it is proposed to commence work upon it at once. It is on the Michigamme belt, and is probably valuable.

J. M. Stiles and L. I. Holcomb, Marquette, Mich.

Lots 1 and 2, Sec. 17, T. 48, N.R. 31 W. — 78 $\frac{60}{100}$ acres. Terms, 50 cents per ton on a minimum of 10,000 tons per year, — lease to run 15 years. This tract is thought to be the most promising spot in Sec. 17; but as only a little preliminary work has been done, nothing can be said, except that the indications are very favorable.

William Rodda and James Coad, Clarksburgh, Mich.

S. $\frac{1}{2}$ of S.W. $\frac{1}{4}$, Sec. 21, T. 48, N.R. 29 W. — 80 acres. Terms, 50 cents per ton on a minimum of 10,000 tons per year, — lease to run 20 years. Indications on this tract are good; but not enough work has been done to demonstrate its value.

O. S. Bond, Toledo, Ohio.

Lot 7. Sec. 7, T. 46, N.R. 29 W. — 26 $\frac{70}{100}$ acres. Terms, 50 cents per ton on a minimum of 5,000 tons per year, — lease to run 10 years. Until this winter no exploration has been made of this tract of land, although it adjoins the celebrated Republic mine. It is an attractive parcel for explorers, and will, no doubt, be thoroughly examined. As yet, nothing can be said, except that the Republic vein is believed to cross the property.

E. G. & J. O. St. Clair, Ishpeming, Mich.

S.W. $\frac{1}{4}$ of N.W. $\frac{1}{4}$ and W. $\frac{1}{2}$ of S.W. $\frac{1}{4}$, Sec. 27, T. 47, N.R. 27 W. — 120 acres. Terms, 50 cents per ton on a minimum of 10,000 tons per year, — lease to run 20 years. This property is in the Ishpeming district, close to the Saginaw and Winthrop mines. Exploration is progressing with fair prospects.

Thomas Buckley, Negaunee, Mich.

S. $\frac{1}{2}$ of N.W. $\frac{1}{4}$, Sec. 25, T. 48, N.R. 27 W. — 80 acres. For argentiferous galena — terms, 20 per centum of gross proceeds, — lease to run 10 years. This tract is some five miles south of any previous discovery of this mineral upon the company's lands. An assay of specimens taken from a vein upon the Company's lands in T. 49, N.R. 27 W., gave as a result $19\frac{96}{100}$ ounces silver and 54 per centum lead; but upon this tract the exploration is not in so forward a state as to enable one to give an intelligent opinion. Lands of this character have been much neglected by explorers.

Numerous applications are now under consideration, of which the below-mentioned will be executed as soon as the papers can be made out.

Geo. P. Cummings, Marquette, Mich.

Lot 7, Sec. 21, T. 48, N.R. 30 W. — 14 acres.

E. A. Wetmore and G. J. Northrop, Marquette, Mich.

Frac. Sec 35, T. 48, N.R. 30 W. — 200 acres.

Byron M. Colwell, Ishpeming, Mich.

N.W. $\frac{1}{4}$ of N.E. $\frac{1}{4}$ and N. $\frac{1}{2}$ of N.W. $\frac{1}{4}$, Sec. 15, T. 47, N.R. 29 W. — 120 acres.

Ferdinand Bending, Marquette, Mich.

Lots 4 and 5, Sec. 21, T. 48, N.R. 30 W. $62\frac{40}{100}$ acres.

Jacob Schneider, Negaunee, Mich.

N.E. $\frac{1}{4}$ of S.E. $\frac{1}{4}$, Sec. 32, T. 48, N.R. 26 W. — 40 acres.

Samuel E. Byrne, Marquette, Mich.

N. $\frac{1}{2}$ of N.E. $\frac{1}{4}$, Sec. 21, T. 47, N.R. 28 W. — 80 acres.

S. P. Ely, Cleveland, Ohio.

N.E. $\frac{1}{4}$ of S.E. $\frac{1}{4}$ and S. $\frac{1}{2}$ of S.E. $\frac{1}{4}$, Sec. 15, T. 47, N.R. 32 W. — 120 acres.

Same.

N. $\frac{1}{2}$ of N.E. $\frac{1}{4}$, Sec. 23, T. 47, N.R. 32 W. — 80 acres.

Same.

N.E. $\frac{1}{4}$ of N.W. $\frac{1}{4}$ and S. $\frac{1}{2}$ of N.W. $\frac{1}{4}$, Sec. 23, T. 47, N.R. 32 W. — 120 acres.

Same.

S.W. $\frac{1}{4}$, Sec. 23, T. 47, N.R. 32 W. — 160 acres.

Same.

S.E. $\frac{1}{4}$, Sec. 23, T. 47, N.R. 32 W. — 160 acres.

J. S. Beatly, Appleton, Wis.

N. $\frac{1}{2}$ of S.W. $\frac{1}{4}$, Sec. 7, T. 46, N.R. 30 W. — 80 acres.

ALLOTMENTS TO INTENDING PURCHASERS.

Statement showing acreage and estimated value of allotments of land to intending purchasers for examination for wood, farm, and lumbering purposes.

	<i>Acres.</i>	<i>Estimated Value.</i>
T. 45 N.R. 29 W.	5,072.52	\$64,740 00
T. 44 N.R. 30 W.	3,511.81	24,084 00
T. 44 N.R. 31 W.	3,474.02	10,074 00
T. 44 N.R. 29 W.	1,350	8,000 00
T. 48 N.R. 27 W. }	18,725.36	65,538 76
T. 49 N.R. 27 W. }		
T. 48 N.R. 28 W. }		
T. 49 N.R. 28 W. }		
T. 48 N.R. 29 W. }		
T. 49 N.R. 29 W. }		
T. 50 N.R. 28 W. }	8,576.14	20,900 00
T. 50 N.R. 29 W. }		
T. 45 N.R. 30 W.		

T. 46 N.R. 32 W.	5,040.82	\$32,391 00
T. 46 N.R. 33 W.	7,653.21	24,873 93
T. 48 N.R. 34 W.	626.80	6,268 00
T. 48 N.R. 34 W.	624.80	12,496 00
T. 47 N.R. 27 W.	40	500 00
T. 48 N.R. 26 W.	120	480 00
	<hr/> 54,815.48	<hr/> \$270,345 69

NEW DISCOVERIES.

New discoveries on and adjoining lands of M.H. & O. R.R. Co. which have been capitalized.

Boston Mine, on Sec. 32, T. 48, N.R. 28 W.

20,000 shares at \$25 each, \$500,000.

First shipment of ore, Aug. 25, 1880.

Total shipments for year 1880, 6,478 tons.

In stock this date, 6,000 tons.

Estimated product for year 1881, 25,000 tons.

This property was sold to present owners by M.H. & O. R.R. Co.

Sterling Mine, on Sec. 32, T. 48, N.R. 28 W.

20,000 shares at \$25 each, \$500,000.

First shipment of ore, Oct. 19, 1880.

Total shipments for year 1880, 1,197 tons.

In stock at this date, 2,000 tons.

Estimated product for year 1881, 10,000 tons.

This property is the western extension of the Boston mine, and is adjacent to M.H. & O. R.R. lands.

Northampton Mine, on Sec. 30, T. 48, N.R. 29 W.

A new discovery on Champion Iron Company's property.

In stock at this date, 2,500 tons.

Estimated product for 1881, 15,000 tons.

Adjacent to M.H. & O. R.R. lands.

Conrad Mine, on Secs. 7 and 18, T. 47, N.R. 28 W.

Twenty thousand shares at \$25 each, \$500,000.

Ore in stock at this date, 100 tons.

Estimated product for 1881, 20,000 tons.

Adjacent to M.H. & O. R.R. lands.

Dalliba Mine, on Sec. 29, T. 48, N.R. 29 W.

Twenty thousand shares at \$25 each, \$500,000.

Ore in stock at this date, 100 tons.

Estimated product for 1881, 20,000 tons.

The income by royalty to M.H. & O. R.R. Co. will probably reach \$5,000 to \$6,000 the coming season.

West Republic Mine, on Sec. 7, T. 46, N.R. 29 W.

Twenty thousand shares at \$25 each, \$500,000.

Ore in stock at this date, 1,000 tons.

Estimated product for 1881, 10,000 tons.

Adjoins M.H. & O. R.R. lands.

Taylor Mine, on Sec. 9, T. 49, N.R. 33 W.

Twenty thousand shares at \$25 each, \$500,000.

First shipment of ore, September 29, 1880.

Total product in 1880, 1,110 tons.

Ore in stock at this date, 5,000 tons.

Estimated product for 1881, 20,000 tons.

Royalty received by M.H. & O. R.R. Co., for 1880, 1,110 tons, \$555.

Estimated income from royalty in 1881, \$10,000.

Whilst it will be noted that the development of the land grant for the period covered by the report has not been large, it should be remembered that no previous attempt has been made by the company, either to put its lands in market or to encourage exploration of them for minerals; that only now the lumbermen of the lower peninsula are beginning to look to this north-western country for new operations, and that the settlers are just beginning to push northward of Wisconsin in quest of farms. Previous to 1880 ex-

ploration for iron ore in this section had been but desultory and inconstant, but with the gratifying result of last season's work, in new discoveries of iron deposits, the volume of exploration may be confidently expected to largely increase.

The want of adequate means of transportation has had much to do with the backward condition of this region; but in view of the prosperous state of the country, and the numerous schemes for new means of intercommunication, a rapid development of its resources may be reasonably expected.

JOHN HORNLY,
Land Commissioner.

STATISTICAL TABLE

Showing the product of lumber of the Upper Peninsula of Michigan for a period of seven years from 1874 to 1880, inclusive.

	1874.	1875.	1876.	1877.	1878.	1879.	1880.	Total.
Kirby Carpenter Co.	28,921,000	30,456,000	33,730,000	33,000,000	35,267,000	41,154,000	50,670,000	253,198,000
Ludington, Wells & V. S.	25,500,000	22,500,000	27,579,000	33,000,000	33,473,000	34,175,000	45,518,000	221,745,000
Menominee River Co.	20,000,000	17,000,000	22,000,000	20,000,000	28,175,000	25,881,000	31,000,000	164,056,000
H. Wibeek Co.	15,084,000	15,918,000	16,000,000	15,500,000	13,702,000	13,750,000	28,000,000	132,854,000
N. Ludington Co. — Martnett.	19,864,000	16,500,000	17,886,000	27,500,000	20,041,000	21,312,000	24,578,000	137,691,000
Wm. McCarthy	4,000,000	4,000,000	4,500,000	9,000,000	9,377,000	11,600,000	15,000,000	57,477,000
Hamilton & Merryman Co.	11,000,000	11,131,000	13,750,000	10,000,000	15,000,000	14,098,000	18,500,000	93,479,000
Ramsey & Jones ....	.....	.....	.....	.....	.....	4,500,000	9,000,000	13,500,000
W. C. Culbertson ....	.....	.....	.....	.....	.....	8,250,000	9,000,000	17,250,000
R. Merryman ....	.....	.....	.....	.....	.....	6,002,000	12,000,000	18,002,000
Crozier & McIntyre ....	.....	.....	.....	.....	.....	5,000,000	.....	5,000,000
Ford River L. Co.	16,225,000	16,850,000	17,800,000	11,500,000	22,000,000	20,338,000	20,570,000	125,283,000
N. Ludington Co. — Escanaba	4,125,000	4,350,000	4,250,000	1,336,000	4,400,000	4,500,000	6,198,000	29,219,000
R. Peacock	2,000,000	2,225,000	1,500,000	1,200,000	300,000	2,250,000	5,000,000	14,475,000
R. Peacock B. de N. ....	.....	2,250,000	1,300,000	.....	.....	.....	.....	3,550,000
E. James ....	.....	.....	.....	.....	.....	3,000,000	2,500,000	5,500,000
Chicago L. Co. ....	.....	.....	.....	.....	.....	13,000,000	17,000,000	30,000,000
Mackinaw L. Co. ....	.....	.....	.....	.....	9,700,000	17,500,000	24,000,000	51,200,000
B. A. Smith ....	.....	.....	3,000,000	.....	.....	.....	.....	3,000,000
J. W. Willis ....	.....	.....	2,500,000	2,000,000	.....	.....	.....	8,500,000
Jesse Spalding	9,000,000	8,500,000	9,576,000	5,000,000	.....	.....	.....	32,076,000
Carter Mill ....	.....	.....	.....	.....	5,000,000	.....	.....	5,000,000
Marquette L. Co. ....	.....	2,500,000	4,500,000	.....	.....	.....	.....	7,000,000
Deer Lake Co.	1,000,000	1,300,000	1,450,000	.....	.....	.....	.....	4,250,000
A. R. Harlow	1,500,000	1,300,000	350,000	.....	.....	.....	.....	3,150,000
E. Fraser	2,000,000	2,000,000	.....	.....	.....	.....	.....	6,000,000
Sawyer, Goodman & Co. ....	.....	.....	.....	.....	.....	.....	4,200,000	4,200,000
C. J. L. Meyer ....	.....	.....	.....	.....	.....	.....	14,000,000	14,000,000
Hebard & Thorpe L. Co. ....	.....	.....	.....	.....	12,000,000	14,000,000	20,000,000	46,000,000
Other Mills	12,000,000	15,500,000	15,500,000	16,500,000	18,500,000	23,500,000	23,500,000	125,000,000
	172,219,000	174,780,000	200,181,000	178,596,000	232,935,000	289,810,000	380,234,000	1,628,755,000

Cle	106
Jac	125
Lak	123
Hu	58
Ne	71
Lak	39
Iro	21
Ed	14
Ne	21
Cha	37
Bar	14
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BURTON HIST. COLLECTION
DETROIT
EXCHANGE DUPLICATE

Showing the Total Number of Gross Tons of Iron Ore Shipped from the Iron Mines of Michigan. By CHAS. E. WRIGHT, M.E., *Commissioner of Mineral Statistics.*



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